ARYLALKYL AMINOFUNCTIONAL SILANES FOR EPOXY LAMINATES

Abstract of the Disclosure

Epoxy laminates with outstanding strength were obtained from glass fabrics finished with certain non-styryl arylalkyl aminofunctional alkoxysilane compounds having the formula:

 R_{I}^{1}

R-C₆H₄CH₂NHCH₂CH₂NHCH₂CH₂CH₂Si(OR²)_{3-n} and HCl salts thereof, wherein R is an alkyl group having 1 to 6 carbon atoms; R¹ is an alkyl group having 1 to 6 carbon atoms; R² may be the same or different and are independently selected from alkyl groups having 1 to 6 carbon atoms; and n has a value of 0 or 1, wherein the compounds are prepared using readily available starting materials without the need for styrenic double bond.

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